



Handwritten initials and date: 16/1/04

S/N 09/762,594

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Zhi-Xing Yao et al.	Examiner:	Bridget E. Bunner
Serial No.:	09/762,594	Group Art Unit:	1647
Filed:	June 22, 2001	Docket:	1941.015US1
Title:	DNA ENCODING PERIPHERAL-TYPE BENZODIAZEPINE RECEPTOR ASSOCIATED PROTEIN 7, AND APPLICATIONS AND METHODS OF USE		

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

MS Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with 37 C.F.R. §§ 1.97 *et. seq.*, the enclosed materials are brought to the attention of the Examiner for consideration in connection with the above-identified patent application. Applicants respectfully request that this Supplemental Information Disclosure Statement be entered and the documents listed on the attached Form 1449 be considered by the Examiner and made of record. Pursuant to the provisions of MPEP 609, Applicants request that a copy of the 1449 form, initialed as being considered by the Examiner, be returned to Applicant's representative with the next official communication.

Pursuant to 37 C.F.R. §1.97(c)(2), Applicants have included the fee of \$180.00 as set forth in 37 C.F.R. §1.17(p). Please charge any additional fees or credit any overpayment to Deposit Account No. 19-0743.

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

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Page 2

Dkt: 1941.015US1

The Examiner is invited to contact the Applicants' Representative at the below-listed telephone number if there are any questions regarding this communication.

Respectfully submitted,

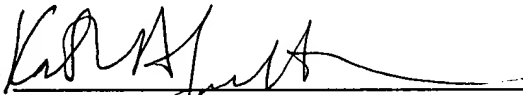
ZHI-XING YAO ET AL.

By their Representatives,

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.
P.O. Box 2938
Minneapolis, MN 55402
(612) 371-2106

Date 30 September 2004

By

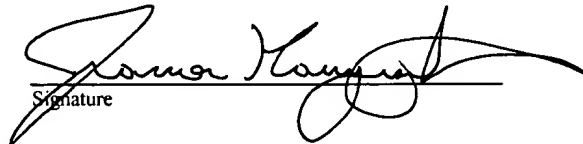

Katharine A Jackson Huebsch
Reg. No. 47,670

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Name

JAMES KANYUSIK

Signature



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Zhi-Xing Yao et al.

Title: DNA ENCODING PERIPHERAL-TYPE BENZODIAZEPINE RECEPTOR ASSOCIATED PROTEIN 7, AND APPLICATIONS AND METHODS OF USE

Docket No.: 1941.015US1

Filed: June 22, 2001

Examiner: Bridget E. Bunner



Serial No.: 09/762,594

Due Date: N/A

Group Art Unit: 1647

MS Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

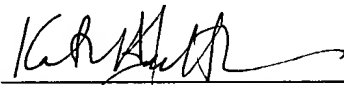
We are transmitting herewith the following attached items (as indicated with an "X"):

- ☒ A return postcard.
- ☒ A Communication Concerning Related Applications (1 pg.).
- ☒ A Supplemental Information Disclosure Statement (2 pgs.), Form 1449 (2 pgs.), and copies of 20 cited documents.
- ☒ A check in the amount of \$180.00 to cover the fee for consideration of Information Disclosure Statement under 97(c).

If not provided for in a separate paper filed herewith, Please consider this a PETITION FOR EXTENSION OF TIME for sufficient number of months to enter these papers and please charge any additional fees or credit overpayment to Deposit Account No. 19-0743.

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.

Customer Number 21186

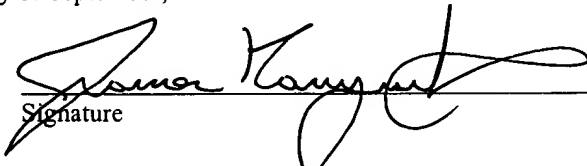
By: 

Atty: Katharine A. Jackson Huebsch

Reg. No. 47,670

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Name


Signature

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.
(GENERAL)



S/09/762,594

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Zhi-Xing Yao *et al.* Examiner: Bridget E. Bunner
Serial No.: 09/762,594 Group Art Unit: 1647
Filed: June 22, 2001 Docket: 1941.015US1
Title: DNA ENCODING PERIPHERAL-TYPE BENZODIAZEPINE RECEPTOR
ASSOCIATED PROTEIN 7, AND APPLICATIONS AND METHODS OF USE

COMMUNICATION CONCERNING RELATED APPLICATIONS

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Regarding the above-identified patent application, Applicants bring to the Examiner's attention to the following related applications:


<u>Serial No./</u> <u>Publication No.</u>	<u>Filing Date</u>	<u>Attorney Docket No.</u>	<u>Title</u>
09/047,652 2003/0157095 A1	March 25, 1998	1941.016US1	Peripheral-Type Benzodiazepine Receptor: A Tool for Detection, Diagnosis, Prognosis, and Treatment of Cancer
09/623,922	September 11, 2000	1941.017US1	Cholesterol Recognition Sequence
09/646,932	May 7, 2003	1941.016US2	Peripheral-Type Benzodiazepine Receptor: A Tool for Detection, Diagnosis, Prognosis, and Treatment of Cancer

Respectfully submitted,
ZHI-XING YAO *ET AL.*,
By Applicants' Representatives,

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.
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Minneapolis, MN 55402
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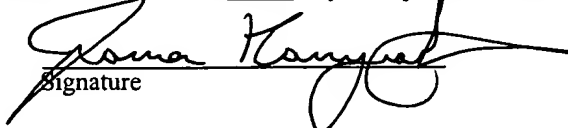
Date 30 September 2004

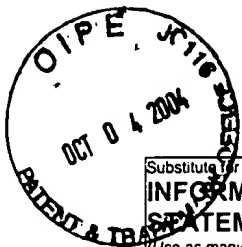
By


Katharine A. Jackson Huebsch
Reg. No. 47,670

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JAMES KANYUSIK
Name


Signature



Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	09/762,594
Filing Date	June 22, 2001
First Named Inventor	Yao, Zhi-Xing
Group Art Unit	1647
Examiner Name	Bunner, Bridget E.

Sheet 1 of 2

Attorney Docket No: 1941.015US1

US PATENT DOCUMENTS

Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	Filing Date If Appropriate
	US-2003/0157095 A1	08/21/2003	Papadopoulos, V.	424	143.1	03/25/1998

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	T ²
	WO-0001821A2	01/13/2000	Lal, P. , et al.	C12 N	15/12	
	WO-0009549A2	02/24/2000	Papadopoulos, V.	C07K	14/00	
	WO-9949316A2	09/30/1999	Papadopoulos, V. , et al.	G01 N	33/574	

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

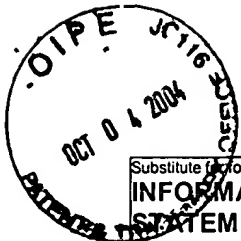
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		"International Search Report in PCT/US99/18507", (June 15, 2000),7 Pages	
		CASALOTTI, S. O., et al., "Structure of the Rat Gene Encoding the Mitochondrial Benzodiazepine Receptor", <u>Gene</u> , (1992),377-381	
		DON, J. , "M. musculus mRNA megl", <u>Database EMBL [Online] AC X64455</u> , (02/21/1992),2 Pages	
		GALIÉGUE, S. , et al., "Cloning and Characterization of PRAX-1 - A New Protein that Specifically Interacts with the Peripheral Benzodiazepine Receptor", <u>The Journal of Biological Chemistry</u> , 274(5), (1999),2938-2952	
		GARNIER, M. , et al., "Diazepam Binding Inhibitor is a Paracrine/Autocrine Regulator of Leydig Cell Proliferation and Steroidogenesis: Action via Peripheral-Type Benzodiazepine Receptor and Independent Mechanisms", <u>Endocrinology</u> ,132(1), (1993),444-458	
		HARDWICK, M. , et al., "Abstract #1569 The Peripheral-type Benzodiazepine Receptor in Human Breast Cancer", <u>Proceedings of the American Association for Cancer Research</u> , 38, (1997),233	
		HARDWICK, M. , et al., "Peripheral-Type Benzodiazepine Receptor (PBR) in Human Breast Cancer: Correlation of Breast Cancer Cell Aggressive Phenotype with PBR Expression, Nuclear Localization, and PBR-mediated Cell Proliferation and Nuclear Transport of Cholesterol", <u>Cancer Research</u> , 59(4), (1999),831-842	
		KOZIKOWSKI, A. P., et al., "Synthesis and Biology of a 7-Nitro-2,1,3-benzoxadiazol-4-yl Derivative of 2-Phenylindole-3-acetamide: A Fluorescent Probe for the Peripheral-Type Benzodiazepine Receptor", <u>Journal of Medicinal Chemistry</u> , 40(16), (1997),2435-2439	

EXAMINER

DATE CONSIDERED

Substitute Disclosure Statement Form (PTO-1449)

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional) 2 Applicant is to place a check mark here if English language Translation is attached



Substitute Form 1449A/PTO
**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Use as many sheets as necessary)

Complete if Known

Application Number	09/762,594
Filing Date	June 22, 2001
First Named Inventor	Yao, Zhi-Xing
Group Art Unit	1647
Examiner Name	Bunner, Bridget E.

Sheet 2 of 2

Attorney Docket No: 1941.015US1

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	†
		KRUEGER, K. E., et al., "Peripheral-type Benzodiazepine Receptors Mediate Translocation of Cholesterol from Outer to Inner Mitochondrial Membranes in Adrenocortical Cells", <u>The Journal of Biological Chemistry</u> , 265(25), (1990),15015-15022	
		LI, H. , et al., "Mus musculus peripheral benzodiazepine receptor associated protein", <u>Database EMBL [Online]</u> AC AF022770, (Oct. 1, 1997),1 page	
		MARRA, M. , et al., "mo98e12.rl Stratagene mouse testis (#937308) Mus musculus cDNA clone", <u>Database EMBL [Online]</u> AC AA174581, (Dec. 31, 1996),2 Pages	
		MIETTINEN, H. , et al., "Expression of Peripheral-Type Benzodiazepine Receptor and Diazepam Binding Inhibitor in Human Astrocytomas: Relationship to Cell Proliferation", <u>Cancer Research</u> , 55, (1995),26912695	
		MOSER, P. C., "Potentiation of 5-Methoxy-N,N-Dimethyltryptamine-Induced Head-Twitches by Diazepam: Evidence for Involvement of Adenosine Uptake Inhibition", <u>Drug Development Research</u> , 30(4), (1993),213-218	
		PAPADOPOULOS, V. , et al., "CHOLESTEROL RECOGNITION SEQUENCE", <u>US Patent Application Ser. No. 09/623,922, filed September 11, 2000 (1941.017US1)</u> ,	
		PAPADOPOULOS, V. , et al., "PERIPHERAL-TYPE BENZODIAZEPINE RECEPTOR: A TOOL FOR DETECTION, DIAGNOSIS, PROGNOSIS, AND TREATMENT OF CANCER", <u>US Patent Application Ser. No. 09/646,932, filed September 25, 2000 (1941.016US2)</u> ,	
		PAPADOPOULOS, V. , et al., "Targeted Disruption of the Peripheral-Type Benzodiazepine Receptor Gene Inhibits Steroidogenesis in the R2C Leydig Tumor Cell Line", <u>The Journal of Biological Chemistry</u> , 272(51), (1997),32129-32135	
		PAWLIKOWSKI, M. , et al., "Inhibition of Cell Proliferation of Human Gliomas by Benzodiazepines <i>in vitro</i> ", <u>Acta Neurol Scand.</u> , 77, (1988),231-233	
		SAMBROOK, J. , et al., <u>Molecular Cloning - a Laboratory Manual</u> , 2d Edition, Cold Spring Laboratory Press,(1989),9.47-9.62	

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